

Special Issue

Current Advances in the Manipulation of Reproductive Functions in Domestic Animals

CONTENTS

Editorial Comment	ix
A new intravaginal progesterone releasing device for cattle (CIDR-B) for oestrous synchronisation, increasing pregnancy rates and the treatment of post-partum anoestrus	
K.L. Macmillan and A.J. Peterson (Hamilton, New Zealand).....	1
New clinical uses of GnRH and its analogues in cattle	
W.W. Thatcher, M. Drost, J.D. Savio (Gainesville, FL, USA), K.L. Macmillan (Hamilton, New Zealand), K.W. Entwistle (Townsville, Qld., Australia), E.J. Schmitt, R.L. De la Sota (Gainesville, FL, USA) and G.R. Morris (Hamilton, New Zealand)	27
In vitro production of bovine embryos: A progress report and the consequences on the genetic upgrading of cattle populations	
T. Greve, V. Madison, B. Avery, H. Callesen and P. Hyttel (Frederiksberg C, Denmark).....	51
Superovulation of cattle with a recombinant-DNA bovine follicle stimulating hormone	
J.M. Wilson, A.L. Jones, K. Moore, C.R. Looney and K.R. Bondioli (Marquez, TX, USA) ...	71
Progress towards efficient commercial embryo cloning	
S.L. Stice (Deforest, WI, USA) and N.L. First (Madison, WI, USA)	83
Superovulation in cattle using PMSG followed by PMSG-monoclonal antibodies	
M.M. Alfuraiji, T. Atkinson, P.J. Broadbent and J.S.M. Hutchinson (Aberdeen, UK)	99
Follicular dynamics during the bovine estrous cycle: A limiting factor in improvement of fertility?	
J.E. Fortune (Ithaca, NY, USA)	111
CIDR: A new progesterone-releasing intravaginal device for induction of estrus and cycle control in sheep and goats	
J.E. Wheaton, K.M. Carlson (St. Paul, MN, USA), H.F. Windels (Crookston, MN, USA) and L.J. Johnston (Morris, MN, USA)	127
Fecundin: An immunological approach to enhance fertility in sheep	
M.P. Boland and T.F. Crosby (Newcastle, Ireland)	143
Melatonin and seasonality in the sheep	
L.M. Williams and R.J.A. Helliwell (Aberdeen, UK)	159
Use of progestins in open and pregnant mares	
E.L. Squires (Fort Collins, CO, USA)	183
Uses of gonadotrophin releasing hormone (GnRH) and its analogues for advancing the breeding season in the mare	
J.H. Hyland (Werribee, Vic., Australia)	195
Hormonal control of ovulation in the mare	
A.L. Johnson and S.E. Becker (New Brunswick, NJ, USA)	209
Embryo transfer in the mare: A status report	
K. Hinrichs (North Grafton, MA, USA)	227
Oestrous synchronization, semen collection and artificial insemination of farmed red deer (<i>Cervus elaphus</i>) and fallow deer (<i>Dama dama</i>)	
G.W. Asher (Hamilton, New Zealand), M.W. Fisher, P.F. Fennessy, C.G. Mackintosh (Mosgiel, New Zealand), H.N. Jabbour and C.J. Morrow (Hamilton, New Zealand)	241
Manipulation of reproductive seasonality of farmed red deer (<i>Cervus elaphus</i>) and fallow deer (<i>Dama dama</i>) by strategic administration of exogenous melatonin	
G.W. Asher (Hamilton, New Zealand), M.W. Fisher, P.F. Fennessy, J.M. Suttie and J.R. Webster (Mosgiel, New Zealand)	267

Special Issue

Current Advances in the Manipulation of Reproductive Functions in Domestic Animals

CONTENTS

Editorial Comment	ix
A new intravaginal progesterone releasing device for cattle (CIDR-B) for oestrous synchronisation, increasing pregnancy rates and the treatment of post-partum anoestrus	
K.L. Macmillan and A.J. Peterson (Hamilton, New Zealand).....	1
New clinical uses of GnRH and its analogues in cattle	
W.W. Thatcher, M. Drost, J.D. Savio (Gainesville, FL, USA), K.L. Macmillan (Hamilton, New Zealand), K.W. Entwistle (Townsville, Qld., Australia), E.J. Schmitt, R.L. De la Sota (Gainesville, FL, USA) and G.R. Morris (Hamilton, New Zealand)	27
In vitro production of bovine embryos: A progress report and the consequences on the genetic upgrading of cattle populations	
T. Greve, V. Madison, B. Avery, H. Callesen and P. Hyttel (Frederiksberg C, Denmark).....	51
Superovulation of cattle with a recombinant-DNA bovine follicle stimulating hormone	
J.M. Wilson, A.L. Jones, K. Moore, C.R. Looney and K.R. Bondioli (Marquez, TX, USA) ...	71
Progress towards efficient commercial embryo cloning	
S.L. Stice (Deforest, WI, USA) and N.L. First (Madison, WI, USA)	83
Superovulation in cattle using PMSG followed by PMSG-monoclonal antibodies	
M.M. Alfuraiji, T. Atkinson, P.J. Broadbent and J.S.M. Hutchinson (Aberdeen, UK)	99
Follicular dynamics during the bovine estrous cycle: A limiting factor in improvement of fertility?	
J.E. Fortune (Ithaca, NY, USA)	111
CIDR: A new progesterone-releasing intravaginal device for induction of estrus and cycle control in sheep and goats	
J.E. Wheaton, K.M. Carlson (St. Paul, MN, USA), H.F. Windels (Crookston, MN, USA) and L.J. Johnston (Morris, MN, USA)	127
Fecundin: An immunological approach to enhance fertility in sheep	
M.P. Boland and T.F. Crosby (Newcastle, Ireland)	143
Melatonin and seasonality in the sheep	
L.M. Williams and R.J.A. Helliwell (Aberdeen, UK)	159
Use of progestins in open and pregnant mares	
E.L. Squires (Fort Collins, CO, USA)	183
Uses of gonadotrophin releasing hormone (GnRH) and its analogues for advancing the breeding season in the mare	
J.H. Hyland (Werribee, Vic., Australia)	195
Hormonal control of ovulation in the mare	
A.L. Johnson and S.E. Becker (New Brunswick, NJ, USA)	209
Embryo transfer in the mare: A status report	
K. Hinrichs (North Grafton, MA, USA)	227
Oestrous synchronization, semen collection and artificial insemination of farmed red deer (<i>Cervus elaphus</i>) and fallow deer (<i>Dama dama</i>)	
G.W. Asher (Hamilton, New Zealand), M.W. Fisher, P.F. Fennessy, C.G. Mackintosh (Mosgiel, New Zealand), H.N. Jabbour and C.J. Morrow (Hamilton, New Zealand)	241
Manipulation of reproductive seasonality of farmed red deer (<i>Cervus elaphus</i>) and fallow deer (<i>Dama dama</i>) by strategic administration of exogenous melatonin	
G.W. Asher (Hamilton, New Zealand), M.W. Fisher, P.F. Fennessy, J.M. Suttie and J.R. Webster (Mosgiel, New Zealand)	267

Manipulation of reproductive functions in male and female camels	
B. Musa (Khartoum North, Sudan), H. Sieme, H. Merkt (Hannover, Germany), B. Hago (Khartoum North, Sudan), M.J. Cooper (Uttoxeter, UK), W.R. Allen (Newmarket, UK) and W. Jöchle (Denville, NJ, USA)	289
Manipulation of reproductive functions in male and female New World camelids	
S. Fernández-Baca (Santiago, Chile)	307
Inhibin as a fecundity vaccine	
J.K. Findlay, B.W. Doughton (Clayton, Vic., Australia), C.G. Tsonis, R.W. Brown, J.W. Hungerford, P.E. Greenwood and R.G. Forage (Roseville, N.S.W., Australia)	325
Immunological suppression of reproductive functions in male and female mammals	
M.J. D'Occhio (Rockhampton, Qld., Australia)	345
Opioidergic pathways in animal reproduction: Their role and effects of their pharmacological control	
J.R. Cosgrove, F. De Rensis and G.R. Foxcroft (Edmonton, Alta., Canada)	373
Author Index	393
Announcement from the Publisher	397